

AMERICAN JOURNAL OF OPHTHALMOLOGY

THIRD SERIES FOUNDED BY EDWARD JACKSON

VOLUME 46
JULY-DECEMBER, 1958

EDITORIAL STAFF

DERRICK VAIL, *Editor-in-Chief*
ALAN C. WOODS, *Consulting Editor*

BERNARD BECKER
WILLIAM L. BENEDICT
FREDERICK C. CORDES
SIR STEWART DUKE-ELDER
EDWIN B. DUNPHY
F. HERBERT HAESSLER
PARKER HEATH
S. RODMAN IRVINE
JAMES E. LEBENSOHN

DONALD J. LYLE
WILLIAM A. MANN
P. ROBB McDONALD
A. EDWARD MAUMENEH
FRANK W. NEWELL
JOHN V. V. NICHOLLS
ALGERNON B. REESE
PHILLIPS THYGESON
M. URIBE TRONCOSO

KATHERINE FERGUSON CHALKLEY, *Manuscript Editor*
MILDRED SKINNER, *Advertising and Business Manager*

COLLABORATORS

JOSEPH E. ALFANO, *Chicago*; EUGENE M. BLAKE, *New Haven*; FREDERICK C. BLODI, *Iowa City*; SYLVAN BRANDON, *Houston*; JAMES W. BRENNAN, *Buffalo*; WILLIAM C. CACCAMISE, *Rochester, New York*; ALSTON CALLAHAN, *Birmingham*; BEULAH CUSHMAN, *Chicago*; RAY K. DAILY, *Houston*; ALICE R. DEUTSCH, *Memphis*; JOSE A. FERREIRA, *Camden, New Jersey*; OLGA FERRER, *Havana, Cuba*; LAWRENCE L. GARNER, *Milwaukee*; IRWIN E. GAYNON, *Milwaukee*; VICTOR GOODSIDE, *Bronx, New York*; BERTHA T. HAESSLER, *Milwaukee*; WILLIAM G. HAGLER, *Atlanta, Georgia*; HARRY HORWICH, *New York*; MORRIS KAPLAN, *Denver*; PETER C. KRONFELD, *Chicago*; GYULA LUGOSSY, *Budapest, Hungary*; WALTER MAYER, *Richmond, Virginia*; PAUL W. MILES, *Saint Louis*; YUKIHIKO MITSUI, *Kumamoto, Japan*; EDWARD U. MURPHY, *Evansville, Indiana*; G. SCIOVILLE-SAMPER, *Wheeling, West Virginia*; DAVID SHOCH, *Chicago*; JOHN J. STERN, *Utica, New York*; EDWARD JOHN SWETS, *Denver*; V. TABONE, *Juliano, Malta*; PHILLIPS THYGESON, *San Jose, California*; GEORGE S. TYNER, *Denver*; A. URRETS-ZAVALIA, JR., *Cordoba, Argentina*.

PUBLISHED BY THE OPHTHALMIC PUBLISHING COMPANY
664 North Michigan Avenue, Chicago 11, Illinois

SUBJECT INDEX

Explanation. Numbers in boldface refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the July issue (pages *1 through *143) OR Part II of the November issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the September issue (pages †1 through †182).

A

- A and V (so-called) syndrome, **835**
 Abducens nerve, paralysis of in cranial lesions, 284
 ABSTRACTS: 105, 241, 421, 610, 764, 916
 1. Anatomy, embryology, and comparative ophthalmology: 610, 916
 2. General pathology, bacteriology, immunology: 341, 611, 764, 917
 3. Vegetative physiology, biochemistry, pharmacology, toxicology: 242, 612, 764, 918
 4. Physiologic optics, refraction, color vision: 248, 618, 765, 921
 5. Diagnosis and therapy: 251, 421, 621, 766, 923
 6. Ocular motility: 258, 424, 768, 928
 7. Conjunctiva, cornea, sclera: 260, 425, 625, 768, 930
 8. Uvea, sympathetic disease, aqueous: 267, 426, 627, 770, 932
 9. Glaucoma and ocular tension: 269, 427, 627, 771
 10. Crystalline lens: 106, 273, 429, 631, 775
 11. Retina and vitreous: 106, 276, 431, 631, 775
 12. Optic nerve and chiasm: 111, 278, 433, 776
 13. Neuro-ophthalmology: 113, 278, 434, 777
 14. Eyeball, orbit, sinuses: 115, 280, 435, 778
 15. Eyelids, lacrimal apparatus: 117, 281, 436, 778
 16. Tumors: 117, 283, 437, 780
 17. Injuries: 118, 283, 438, 780
 18. Systemic disease and parasites: 119, 284, 439, 781
 19. Congenital deformities, heredity: 121, 442, 784
 20. Hygiene, sociology, education, and history: 123, 443, 785
 ACCOMMODATION: Colenbrander's method to study, 766
 electric activity of eye during, *231, 403
 Acetazolamide: See Diamox
 Achromat: See Color blind
 ACTH, influence on electroretinogram, 921
 Adaptation, to glare, **353**
 Adenoma, of pituitary, effect estrogen on, 768
 Adenovirus: See under Viruses
 Adenylate acid deaminase, activity of ciliary process, *96
 Adrenal cortex, role of in diabetic retinopathy, 111
 Africa, children of, eye disease in, 624
 French West, trachoma in, 626
 AFTER-IMAGES: phases, neurophysiologic basis of, 619
 tests, improvement on, 71
 to treat amblyopia, 619
 to treat extrafoveal fixation, 619
 Age, aqueous secretion decline with, 731
 lens proteins and, 614
 Aging, aqueous humor dynamics and, **845**
 Akinesia, **85**
 of orbicularis, 255
 Albinos, color vision in, 250
 Algeria, ophthalmic teams in, 770
 Allergy, anterior segment and, 611
 in trachoma, 770
 uvea and, 612
 All-India Ophthalmological Congress, **753**
 Amaurotic familial idiocy, 122
 Lipid disease of bone and, 784
 AMBLYOPIA: after-images to treat, 619
 dark adaptation in, 249
 electric arc welding, **885**
 electroencephalogram in, 766
 electroretinography to study, *68
 ex anopsia, 621
 reaction time in, 249
 region hemiretinal difference in, **339**
 suppression, hypnosis in children with, **53**
 visual distortion in, 922
 Amblyoscope, 424
 American Academy of Ophthalmology and Otolaryngology, 1958 meeting, **905**
 Amniotic membrane, in symblepharon surgery, 261
 Analgesia, supplemental intravenous in cataract surgery, **594**
 Anaphylactic hypersensitivity, antigen-antibody interaction in, *282
 ANESTHESIA: 622
 general, 423, 766
 influence on strabismus, 929
 intravenous, in cataract surgery, 179
 primacaine for, 254
 Tubocurarine and Nembutal, in rabbit surgery, **596**
 Aneurysms, intracranial, eye complications of, 115
 Ophthalmoplegia due to, 434
 Angiography, of orbit, diagnosis and, 116
 Angioma, facial, glaucoma and, 117
 of choroid, 932
 Angiomatosis retinae, 11 years after diathermy coagulation, **525**
 photocoagulation of, **463**
 Angiosarcoma of Kaposi, 437
 Angle of resolution, minimal, visual sensory units and, *182
 Animals, emergence of vision in, **447**
 Aniridia, iris defects and, 427
 traumatic, 269
 Anomalous correspondence, exotropia and, in twins, 258
 Anophthalmia, congenital in mice, inheritance of, **893**
 Anoxemia, during muscle surgery, electrocardiogram and, **367**
 Ansolysen, effect on aqueous dynamics, **499**
 ANTERIOR CHAMBER: angle of, in primary glaucoma, 311
 pathology of, in glaucoma, 628
 aqueous removal from, aqueous flow after, 244
 delayed restoration of, 274
 depth of, in simple glaucoma, 429
 epithelial invasion of, after cataract extraction, 275, 621
 fluorescein studies of, Wood's light in, 246
 hemorrhage, after injuries, 284
 implants of sclera into, **534**
 lenses, 255, 430
 experiences with, 127
 new design of, 625
 report on 132 cases, 273
 pseudocysts in, 770
 unreformed, after cataract extraction, **88**
 Anterior segment, **225**
 allergic processes of, 611
 ANTIBIOTICS: 252
 bactericidal effect of, 920
 in extracting senile cataract, 631
 pharmacology of, 252
 resistance to, 252
 steroids and, **736**
 therapy with, 252
 Anticoagulants, in retinal thrombophlebitis, 433
 Antigen-antibody interaction, in anaphylactic hypersensitivity, *282
 Antigens, influence on permeability of blood-aqueous barrier, 920
 Antiseptics, bactericidal effect of, 920
 Antistreptolysin, in aqueous, 615
 Aphakia, pupil-block in, **831**
 Aplasia, of macula, myopia and, 123
 Apraxia, congenital ocular motor, **382**
 AQUEOUS: antistreptolysin in, 615
 blood coagulation in, 247
 chlorides of, in uveitis, 612
 dynamics, aging and, **845**
 effect pentolinium (Ansolysen) on, **499**
 electrophoresis of, 918
 flow, after removal of aqueous from anterior chamber, 244

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

AQUEOUS (continued)

formation of, alterations of, changes induced by, *299
inflow, daily variations in, 918
ocular tension control and, 245

OUTFLOW: 920

chief obstruction to, 614
decline with age, 731
effect Diamox on, 270
in angle-closure glaucoma, 305
production, effect Diamox on, 270
proteins of, 245
prothrombin in, 247
secondary, biochemical study of, 618
thromboelastography of, 764
secretion of, decline with age, 731
veins, 246

Arachnoiditis, spinal fluid circulation and, 111

Arcus senilis, corneal sensitivity in, 425

von Arlt, Ferdinand, 225

Arteriosclerosis, optic neuritis due to, 278

Arteritis, retinal, in rheumatic arthritis, 776

temporal, 781

as cause of sudden blindness, 441

eye involvement in, 287

ocular crises of, 440

optic nerve atrophy and, 403

uncommon findings in, 439

Arthritis, rheumatoid, retinal arteritis in, 776

Ascarides, eye lesions due to, 120

Association for Research in Ophthalmology, Inc:

auditor's report, *124

business meeting, *334

committees, *332

directory of members, *127

new members, *333

officers, *126, *332

Proceedings, July, Part II; November, Part II

Astigmatism, indirect, 766

Ataxia, telangiectasia and, 121

sinopulmonary infections and, 442

Atomic weapons, retinal hazards from, 700

Atopic dermatitis, cataract and, 106

Atresia, congenital, of nasolacrimal duct, 117

Auditory system, synesthesia, 248

Auditory system, glaucoma and, 427

Australia, Ophthalmic Research Institute of, 600

Ophthalmological Society of, 226

B

BARKAN, Otto, 101

Bee, sting, of eyelid, 438

BEHCET'S syndrome: 441, 933

c-reactive protein test in, 924

liver function in, 933

serum proteins in, 933

spinal fluid in, 933

Biomicroscopy, with polarized light, 925

Blaskovics operation, in ptosis, 117, 282

modified by Iliff, for blepharoptosis, 819

Blepharochalasis, refraction in, 923

Blepharoptosis, Blaskovics operation for, 819

correction of, 220

Blind, curriculum for retarded, 123

Blindness, color: See Color blind

cortical, 113

in geriatric patients, 123

sudden, due to temporal arteritis, 441

traumatic, in Denmark, 119

Blindspot, enlargement of, nervehead swelling and, 278

BLOOD: coagulation of, in aqueous, 247

conjunctival lymph space filled with, 266

effect on vitreous, 356

volume of, choroid, factors influencing, 1

of retinal, factors influencing, 1

Blood-aqueous barrier, in hemorrhagic glaucoma, phase-

contrast study of, 244

influence o-antistreptolysin on, 243

Blood-aqueous barrier (continued)

pathophysiology for proteins of, 245

permeability of, influence antigens on, 920

Blood pressure, ocular tension and, 919

Blood vessels, of optic chiasm, hypophysis and hypothalamus and, 916

Bone, lipid disease of, amaurotic familial idiocy and, 784

BOOK REVIEWS:

Actas Quinto Congreso Panamericano de Oftalmologia, 104

Allen, James H. (ed.): Strabismus Ophthalmic Symposium, II, 414

American Foundation for the Blind: The Middletown Lighthouse for the Blind, 240

Amsler, M., et al.: Contributions to the History of Ophthalmology, 606

Bartley, S. Howard: Principles of Perception, 419

Bellucci, R. J., et al.: Nursing in Diseases of the Eye, Ear, Nose and Throat, 761

Brückner, R.: Prevailing Problems in the Cross-Eyed Child, 915

Busacca, A., Goldmann, G. and Schiff-Wertheimer, S.: Biomicroscopy of the Vitreous and the Fundus, 418

Documenta Ophthalmologica, 104

Duke-Elder, Sir Stewart: A Century of International Ophthalmology, 913

Esser, Albert: Geschichte der deutschen ophthalmologischen Gesellschaft, 415

Estrada, W. Duque, and Jayle, G. E.: Actualities Latines d'Ophthalmologia, 913

Fox, Sidney A.: Ophthalmic Plastic Surgery, 605

François, Jules: L'Hérédité en Ophthalmologie, 421

Gifford, Edward S., Jr.: The Evil Eye, 608

Herrmann, R.: The Rhinogenous Diseases of the Orbit, 914

Hollender, Marc H.: The Psychology of Medical Practice, 763

Holmes, C., et al.: Guide to Occupational and Other Visual Needs, 609

Huffman, Mildred Blake: Fun Comes First for Blind Slow-Learners, 105

Krant, J. C., Jr., and Carr, C. Jelleff: The Pharmacologic Principles of Medical Practice, 762

Licht, Sidney: Therapeutic Heat, 914

Martin, Gustav J.: Clinical Enzymology, 762

Sédan, Jean: Post-cure de l'Amblyopie Réedoué, 761

Smythe, R. H.: Veterinary Ophthalmology, 608

Stimson, Russell L.: Optical Aids for Low Acuity, 237

Thuránsky, K.: The Blood Circulation in the Retina, 417

Theodore, Frederick H.: Ocular Allergy, 236

Transactions of the American Ophthalmological Society, 239

Transactions of the Ophthalmological Society of the United Kingdom, 238

Vail, Derrick: The Year-Book of Ophthalmology, 103

Warren, James V. (ed.): Methods in Medical Research, 237

Willoughby, H. (assisted by T. Keith Lyle): Applied Physiology of the Eye, 415

Wolstenholme, G. E. W., and O'Connor, C. M. (editors): Chemistry and Biology of Macropolysaccharides, 603

Methodology of the Study of Ageing, 104

Bornholm disease, optic neuritis and, 81

Bruch's membrane, degeneration of, 276

Buphthalmos, in sisters, 785

Burns, chemical and thermal: See under Injuries

C

Camera, hand fundus, 924

Campimetry, 257

Candida, albicans, retinitis due to, 277

mycodermis, corneal ulcer due to, 170

Canthorhinostomy, polyethylene tubing in, 778

Capillary fragility, of episclera, 923

Carbon disulfide, influence on electroretinogram, 921

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the July issue (pages *1 through *143) OR Part II of the November issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the September issue (pages †1 through †182).

- Carbonic anhydrase inhibitors: See under names of various drugs, Diamox, etc.
- Carcinoma, metastatic to choroid, from breast, **14**
of choroid, **267**
of conjunctiva, **769**
- Carotid, thrombosis of internal, **781**
- CATARACT: alloxan-induced, **108**
atopic dermatitis and, **106**
caloric, **430**
complicated, subluxated lens due to, **88**
congenital, lentoid bodies after surgery for, **775**
surgical complications of, **84**
diabetic, reversal of, **107**
experimental, sulphydryl groups and, **765**
- EXTRACTION: **107**
after-cataract following, **274**
after glaucoma operations, **106**
anterior chamber unreformed after, **88**
complications of, **274**
corneal edema after, **275**
drawn-up pupil after, **87**
epithelialization anterior chamber after, **275, 621**
Graefe incision in, **430**
in megalocornea, **631**
infection after, **274**
iritidocyclitis after, **274**
iris prolapse after, **86**
keratitis after, **892**
lens capsule adhesion to hyaloid and, **495**
of senile, antibiotics in, **631**
phacogenetic reaction after, **269**
procedure selection in, **429**
retinal detachment after, **275**
safeguards in, for surgeon operating alone, **388**
with and without lytic cocktail, **430**
- galactosemic, **106**
in anaphylactic uveitis, influence glutathione on, **243**
in diabetics, **429**
in dietary deficiencies, **275**
iodoacetic acid, **246**
lens epithelium in, pathogenesis of, **107**
operations for and operators of, **430**
patients, etiologic study of, **108**
shock therapy and, **430**
surgery, **631**
intravenous analgesia in, **594**
sedation in, **179**
safeguards in, **388**
traumatic, **273**
- Cerebral cortex, lesions of, ocular functions in, **242**
- Cerebral infarction, visual loss after, **114**
- Chalcosis, ocular, **118**
- Chiasm syndrome, postoperative course in, **280**
- Chicago Ophthalmological Society, **397, 895**
- Chickenpox, keratitis of, **264**
- CHILDREN: African, eye disease in, **624**
blind, legally, education of, **785**
dacryocystorhinostomy in, **86**
myopia in, dietary treatment of, **921**
penetrating injuries in, management of, **88**
suppression amblyopia of, hypnosis in, **53**
visual tests for, **219**
with low vision, newer optical aids for, **813**
- Chloromycetin, in trachoma, **770**
- Chloroquine, eye complications of therapy with, **931**
- Cholesteatoma, of orbit, **281**
- Chondritis, perichondritis, iritis and, **268**
- Chorioretina, atrophies of, diffuse familial, **776**
inflammations of, lens opacities and, **267**
lesions of, oxygen in, **771**
- Chorioretinitis, as manifestation of congenital toxoplasmosis, ***135**
- CHOROID: angioma of, **932**
blood volume of, factors influencing, **1**
carcinoma of, **267**
melanoma of, **402**
melanosarcoma of, **427**
- CHOROID (continued)
metastases to, from breast carcinoma, **14**
spectrophotographic measurements of, **926**
- Choroideremia, electroretinogram in, **932**
- Cigarettes, effect smoking on circulation of eye, **242**
- Ciliary body, atrophy of epithelial layers of, **269**
- epithelium, studies on, ***299**
medullo-epithelioma of, **19**
melanoma of, **427**
parasites in, **782**
- Ciliary muscle, study of, **916**
- Ciliary processes, adenylic acid deaminase activity of, ***96**
- Circulation of eye, cigarette smoking and, **242**
- Clinical investigators and tests, **402**
- Cogan's syndrome, **262**
- COLLAGEN DISEASES: **285**
diagnosis in, **285**
evolution in, **286**
eye manifestations of, **285**
general manifestations and symptoms of, **286**
neuro-ophthalmologic manifestations of, **279**
pathology of, **285**
symposium on, **285**
therapy of, **286**
- Coloboma, of eyelid, **282**
- COLOR BLINDNESS: achromatic foveal threshold in, **251**
electroretinogram in, **923**
flicker, in total, **619**
photopic retinal receptors in, ***81**
visual fields in, **922**
- Color vision, **618**
in albinos, **250**
- Condom, in keratoplasty, **931**
- Cones, foveal, functional units of, **918**
- Congenital anomalies, of eyelids, **779**
- CONJUNCTIVA: a review, **117**
blood vessels of, permeability of, **245**
bulbar, melanoma of, **262**
carcinoma of, **769**
cells of, electrolytes and, ***269**
epithelial, toxicity medicaments for, **920**
flap, to cover cornea, **930**
lipoma of sub-, **118**
lymph spaces of, filled with blood, **266**
melanotic tumors of, **769**
paracoccidiosis of, **625**
sac, implanting Stensen's duct into in xerophthalmos, **770**
scars, late infection of filtering, **155**
sensitivity, in exophthalmos, **260**
vascular phenomena of, **266**
- Conjunctivitis, campaigns against in Algeria, **770**
epidemic, **770**
inclusion, staining inclusion bodies of, **917**
psychogenic, **263**
sulfonamides in, **768**
- Conoid refracting surfaces, conoid lenses and, ***86**
- CONTACT LENSES:
in paralytic ptosis, **435**
microcorneal, in keratoconus, **769**
patients' acceptance of, **869**
monocular, use of, **78**
silicate glass in, **253**
- Contusions of eye, **256**
- Convergence, asymmetric, electromyographic study of, ***174**
- Copenhagen, strabismus in, **928**
- Copper, removal splinters of, from vitreous, **925**
- CORNEA: a review, **261**
cells of, electrolytes and, ***269**
conical, **426**
microcorneal lenses in, **769**
corrosions of, **930**
degenerations of, fatty, **425**
destruction of, by Pseudomonas proteases, ***249**
development of, ***276**

SUBJECT INDEX

v

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

CORNEA (continued)

- diseases of, 264
- dystrophy of, crocodile shagreen, 748
- dermochoondrocorneal, 439
- filiform, 261
- Fuchs' epithelial, 297
- hormonal, 226
- edema, after cataract extraction, 274, 275
- endothelium of, healing of, *82
- fluorescein in, factors influencing, *3
- histochemical changes in developing rat, *47
- implants, acrylic, 625
- injuries of, leukocyte origin in, 264
- experimental chemical, therapeutic studies in, 891
- keloid and cholesterol granuloma of, 263
- lesions of, effect heparin on experimental, 617
- leukocytes in, 610
- megalo-, cataract extraction in, 631
- nerves of, fibers of, influence glutamic acid and vitamin B₆ on, 243
- influence corticosteroids on, 243
- permanent covering of, with conjunctival flap, 930
- permeability of, influence ultrasound on, 919
- phosphate in, 613
- plastic, 931
- posterior surface of, injuries of, 426
- Pseudomonas infections of, *249
- sensitivity, in arcus senilis, 425
- in exophthalmos, 260
- splitting of, 855
- staphyloma of, hereditary, 442
- stroma of, cellular elements of, 611
- tattooing of, 264
- tissues of, separate culture of, *294
- viability of, in corneal transplantation, 263
- transparency changes of, during rapid hydration, *276
- ulcers of, corneal transplantation in perforating, 67, 769
- due to Candida mycoderma, 170
- due to Pseudomonas aeruginosa extracts, *21
- CORNEAL TRANSPLANTATION:** donor eyes for, Neo-sporin as prophylaxis for, 351
- grafts, autogenous, 265
- condom to protect, 931
- holder for, 554
- table for, 591
- hetero-, biochemical study of, 921
- in herpetic keratitis, 671
- in perforated corneal ulcer, 67, 769
- infection with Micrococcus tetragenus after, 931
- lamellar, instrument for, 924
- penetrating, graft fixation in, 541
- study 148 cases of, 541
- therapeutic, 625
- in corneal ulceration, 67, 769
- viability corneal tissue in, 263
- with punch forceps, 932
- CORRESPONDENCE:**
- Clearing center for eye materials, 102
- Glaucoma survey in a small community, 913
- Recollections of Lawrence T. Post, 605
- Cortical blindness, 113
- Corticosteroids, 256
- dangers of ophthalmic, 924
- influence on corneal nerves, 243
- influence on retinal metabolism, 242
- Cortisone, in dacryostenosis, 436
- in trachoma, 769
- interstitial keratitis after, 265
- petechial hemorrhages after, 391
- Cranial nerves, 3rd, 4th and 6th, paralysis of, 787
- C-reactive protein test, in Behçet's syndrome, 924
- Crocodile shagreen, a corneal dystrophy, 748
- Cul-de-sacs, conjunctival, reconstruction of, 778
- Cycloanemization, 272
- Cyclodialysis, follow-up study of, 273
- hypotony after, 272
- Cyclodiathermy, vs. cycloelectrolysis, 27

- Cycloelectrolysis, in glaucoma, 270
- retroiliary vs. retroiliary cyclodiathermy, 27
- Cyclopean eye, micropsia and macropsia of, 249
- Cysteine, as protection against radiation, 247
- Cystinosis, 89
- CYSTS:** cerebellar, in Lindau disease, 110
- of iris, implantation, 627
- pseudo-, in anterior chamber, 770

D

- Dacryoadenitis, 282
- tuberculous, 437
- Dacryocystorhinostomy, in children, 86
- Dacryostenosis, cortisone in, 436
- Dacryostomies, 117
- Dazzling, provoked, as clinical test, 254
- Dark adaptation, amblyopic eyes in, *68
- changes in enzymes of visual cells in, 616
- disturbances of, oxygen in, 767
- in amblyopia, 249
- in strabismus, 249
- Depth perception, effect myopia on, in pilots, 765
- Dermatitis, atopic, cataract and, 106
- Descemet's membrane, healing of, *42
- DeWecker scissors, to remove corneal sutures, 587
- DIABETES:** 227
- alloxan, mucopolysaccharides in, 612
- ocular tension in, 612
- cataract in, 429
- reversal of, 107
- eye manifestations of, 286
- lens changes in, reversal of, early, 219
- optic nerve atrophy in, 123
- rubeosis iridis in, 933
- blood chemistry in, 246
- fluorescein test in, 269
- tonometric curve in, 771
- DIABETIC RETINOPATHY:** 775
- abnormal vascular responses and, 782
- adrenal cortex role in, 111
- electroretinogram in, 422
- fat emboli in, 109
- proliferating, 432
- radiation therapy in, 775
- Diagnosis, eye in, 255**
- DIAMOX:** action on ocular tension, 614
- effect on aqueous outflow, 270
- effect on aqueous production, 270
- effect on potassium concentration, 617
- in glaucoma, 428
- myopia after, 613
- potassium bicarbonate and, in chronic glaucoma, 270
- sodium and potassium concentrations after, 615
- Diathermy, coagulation, angiomatosis retinae 11 years after, 525**
- of sclera, 765
- in glaucoma, 272
- Dichlorophenamide, as a hypotensive agent, 891
- Digitalis treatment in ophthalmology, 253
- Diplopia, zygomatic-maxillary fracture and, 926
- Diseases of eye, of medical interest, 927
- See also under Eye, diseases of
- Drugs, bacterial sensitivities to, 893
- electric responses induced by, *238
- Dysmegalopsia, 922

E

- Eales' disease, X-ray therapy in, 108
- Echogram: See Ultrasound, studies of eye
- Ectodermal dysplasia, congenital, 122
- Ectropion, cicatricial, lagophthalmos and, due to lid abscess, 77
- in hemorrhagic glaucoma, 771
- paralytic, surgery of, 779
- EDITORIALS:** 8
- American Academy of Ophthalmology and Otolaryngology, 1958 meeting, 905
- Care and nutrition of the guest speaker, 409

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the July issue (pages *1 through *143) OR Part II of the November issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the September issue (pages †1 through †182).

EDITORIALS (continued)

- 18th International Congress of Ophthalmology, **900**
- Enzymatic zonulolysis, **235**
- Italian ophthalmology, **602**
- Japanese Ophthalmological Society, **906**
- Plastic approach to surgery, **407**
- Present status of orthoptic practice, **755**
- Prevention of angle-closure glaucoma, **500**
- Progress of American ophthalmology, **90**
- II. International Course of Ophthalmology: Instituto Barraquer, **908**

17th clinical meeting of the Wilmer Resident's Association, **410**

Spring meetings, **233**

The virus of trachoma: A story of the past and present, **228**

XVIIIth International Congress of Ophthalmology, **900**

Electric, activity, during accommodation, ***231**

in eye of Limulus, ***210**

conduction velocities, in rabbit optic nerve, ***223**

response, of cat eyes after drugs, ***238**

See also symposium on Electrophysiology of the Eye,

September Part II, index on pages †179-†182

Electrocardiogram, during muscle surgery, **367**

Electrocyclography, **403**

Electroencephalogram, in amblyopia, **766**

in tapetoretinal degeneration, **632**

visual fields and, **422**

Electrolytes, conjunctival and corneal cells and, ***269**

Electromyography, in myasthenia, **258**

of extraocular muscles, **929**

to study asymmetric convergence, ***174**

to study saccadic eye movements, ***183**

Electron microscope, to study ciliary epithelium, ***299**

to study eye, ***77**

to study lens fibers, **611**

to study lacrimal gland, **615**

to study trachoma granule, **931**

to study zonule, ***299**

trachoma pathology by, **261**

Electroretinography, **434**

Electro-ophthalmography, to study amblyopic eyes, ***61**

ELECTROPHORESIS: of aqueous, **918**

and plasma, after ¹²⁵I-labeled insulin, ***196**

of tears, ***112**

of vitreous, **918**

Electrophysiology of the visual system, symposium on:

September, Part II, complete index on †179, †180, †181,

†182

ELECTRORETINOGRAM: contact glass in recording of,

424

electronic flash stimulation in, **423**

flicker, in color blindness, **619**

in choroideremia, **932**

in circulatory disturbances of retina, **432**

in color blindness, **923**

in diabetic retinopathy, **422**

in malignant intraocular tumors, **438**

in optic nerve lesions, **923**

in tapetoretinal degenerations, **431**

influence ACTH on, **921**

influence carbon disulfide on, **921**

potentials, after drugs, in cats, ***238**

field of in rabbit, **615**

Electroshock, ocular tension and, **615**

Emmetropia, **250**

Emphysema, papilledema and, **112**

Endocrine, exophthalmos, **116**

Endophthalmitis, in congenital toxoplasmosis, **436**

Endothelioma, of optic nerve, **776**

Enzymatic zonulolysis, **235**

Enzyme, changes in visual cells, light and, **616**

Eosinophil, count in eye injuries, **924**

Epibulbar tumor, **253**

Episclera, capillary fragility of, **923**

Epithelioma, in spectacle wearers, **438**

of eyelid, contact radiation of, **282**

Epithelium, pigment, vagaries of, **226**

Erb-Goldhamer's disease, **258**

Erythrocytes, aggregation of in eye disease, **120**

Eskimos, phlyctenular keratoconjunctivitis in, **210**

Estrogen, effect on pituitary adenoma, **768**

Esotropia, **835**

accommodative, treatment of, **768**

surgical experience and orthoptics in, **258**

See also under Strabismus

Ethoxzolamide, a new carbonic anhydrase inhibitor, **41**

EYE: acoustic properties of, ultrasound to study, ***319**

diseases of, incidence in Australia, **226**

multiple screening of, **331**

natural incidence of, **785**

of medical interest, **927**

hypothalamus and, in genital stimulation, **242**

materials, clearing center for, **102**

reflective properties of, ***319**

vasoconstrictors and, **928**

vasodilators and, **928**

Eyebrows, contamination of in surgery, **888**

dermoids of, **282**

Eyelashes, contamination of in surgery, **888**

EYELIDS: a review, **117**

abscess of, cicatricial ectropion and lagophthalmos due

to, **77**

bee sting of, **438**

coloboma of, **282**

developmental anomaly of, **779**

epithelioma of, contact radiation for, **282**

margin defects of, repair by plastic surgery, **386**

retraction of, correction of, **927**

thermal burns of, **283**

xanthomas of, **779**

EXOPHTHALMOS: causes and treatment of, **116**

due to granuloma, **436**

due to myositis, **778**

due to orbital cellulitis, **778**

endocrine, **116**

corneal and conjunctival sensitivity in, **260**

hyperthyroidism and, **115**

in Graves' disease, **281**

in marble bone disease, **436**

intermittent, surgery of, **115**

pulsating, Recklinghausen disease and, **116**, **281**

Exotropia, anomalous correspondence and, in twin, **250**

in marble bone disease, **436**

surgery of, **646**

F

Facial agenesis, **886**

Fat emboli, diabetic retinopathy and, **109**

Fibromatous pseudophakia, **430**

Filaria loa, **599**

Fluids of eye, rhodanese and rhodanese S in, **613**

Fluorescein, in cornea, factors influencing, ***3**

test, in diabetic retinosis, **269**

Focussing for near, **259**

Folliculosis, trachoma and, diagnosis of, **626**

Foreign bodies, extraction, Larsson's method for, **423**

magnet for, **926**

magnetic, **119**

ophthalmoscopic control of, **623**

localization, episcleral needles for, **76**

Formaldehyde, oxidation in retina, effect glutathione on,

***42**

Fornix, plastic surgery of lower, **767**

Foster-Kennedy syndrome, **434**

Fovea, cones of, functional units of, **918**

Foveal, discrimination, measurement of, **620**

fixation, extra-, after-images to treat, **619**

Fractures, zygomatic-maxillary, with diplopia, operation

in, **926**

Franceschetti syndrome, **442**

Friedreich's disease, **443**

Fuchs' epithelial dystrophy of cornea, **297**

Fuchs, Ernst, **225**

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (!) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages !1 through !182).

- Fundus, blood vessels of, changes in, **227**, 775
 findings, **401**
 lesions of, 766
 Fusion, strabismus and sensory, 250
 third-degree postoperative, **988**
 thresholds, measurement of, 621
 tonic phenomena during, 248
- G**
- Gamma globulin, to treat herpetic iridocyclitis, 269
 Gamma radiation: See Radiation, gamma
 Gargoylism, 120
 Gaze, fields of, in eye diseases, 922
 in normal eyes, 928
 in systemic diseases, 922
 rotations of, horizontal, 424
 Germany, trachoma in, 627
 Gimbal-mounted projector, to demonstrate torsion, **696**
 Glare, adaptation to, **353**
 Glass, splinters of in eye, 781
GLAUCOMA: 271, **401**
 a symposium on, 628
 acute, general surgery and, **403**
 intravenous Novocaine in, 774
 after retinal artery occlusion, 273
 angioma of face and, 117
 angle-closure, mechanisms in, **889**
 prevention of, **600**
 tonography and, diagnosis and therapy, **305**
 anterior chamber angle in, 628
 auditory system involvement in, 427
 chronic, Diamox and potassium bicarbonate in, 270
 simple, miotic therapy of, prognostic value tonography in, 11
 closed-angle, **227**
 etiology of, 771
 iridectomy in, 429
 congenital, **894**
 cycloelectrolysis in, 270
 detection of, Phosphenor test in, *55
 diathermy in, 272, 428
 early detection of, 272
 gonioscopy in, 628
 headache of, 272
 hemorragic, ectropion in, 771
 phase-contrast of blood-aqueous barrier in, 244
 tonometric curve in, 771
 hereditary congenital, 627
 hypacusia and, 427
 infantile, gonioscopy in, 630
 signs in, 630
 symposium on, 630
 treatment of, 630
 medical treatment of, 629
 Miltown in, 271
 myopia, spherophakia and, 108
 nervous centers in, 774
 operations for, cataract extraction after, 106
 in trachoma, 628
 primary, action drugs used in, 638
 anterior chamber angle in, 311
 gonioscopy in, 627
 Schlemm's canal in, 311
 tonography in, 627
 trabecula in, 311
 visual fields in, 271
 pseudo-, after methyl alcohol poisoning, 433
 screening tests for, 331
 secondary, after retinal artery occlusion, **182**
 diagnosis in, 773
 gonioscopy in, 772
 medical treatment of, 773
 surgical treatment of, 774
 symposium on, 771
 to cataract extraction, 274
 simple, anterior chamber depth in, 429
 tension curves in, 627

- GLAUCOMA (continued)**
 surgical treatment of, 630
 survey, in small community, **913**
 tests for, provocative, **397**, 628, 629
 tonography in, 629
 visual fields in, 629
 Glaucomatocyclitic crises, 272
 Glioma, of optic nerve, 111, 113
 managment of, **654**
 Glutamic acid, influence on corneal nerve fibers, 243
 Glutathione, effect on formaldehyde oxidation in retina, **42**
 in lens, *36
 influence on cataract of anaphylactic uveitis, 243
 Glycogen content of retina, 246
GONTIOSCOPY: hand illuminator for, **84**
 in glaucoma, 628
 infantile, 630
 primary, 627
 secondary, 772
 with Zeiss surgical microscope, 258
 Granuloma, exophthalmos due to, 436
 of cornea, 263
 of sclera, 266
 Graves' disease, 281
 Groenblad-Strandberg syndrome, Paget's disease and, **287**
 Gudden's commissure, significance of, 610

H

- Hair, human as sutures, 767
 Headache, in glaucoma, 272
 Helminths, uveitis due to, 426
 Hemangiopericytoma, of orbit, **89**
 Hemeralopia, essential, 619
 Hemianopsia, macular sparing in, 610
HEMORRHAGE: anterior chamber, after injections, 284
 of retina, in newborn, **658**
 petechial, after cortisone, **391**
 subarachnoid, due to neurofibroma, 279
 Heparin, effect on corneal lesions, 617
 Heredity, in congenital anophthalmia, **893**
 in ophthalmology, 121
 Herpes simplex, **227**
 iridocyclitis due to, gamma globulin in, 269
 virus of, 764
 Herpes zoster, in 3½-year-old child, **741**
 muscle palsy due to, 279
 Herpetic keratitis: See Keratitis, herpetic
 Hormone dysfunction, external eye conditions and, 767
 Horner's syndrome, an analysis of 216 cases, **289**
 Raeder's syndrome and, differential diagnosis of, **194**
 Hummelshheim operation, **397**
 Hyaloid membrane, lens capsule adhesion to, **495**
 Hyaluronidase, 421
 Hydrocephalus, anterior staphyloma with, **395**
 Hydrocortisone, in optic neuritis, 433
 in retinobulbar neuritis, 433
 Hypacusia, glaucoma and, 427
HYPERTENSION: arterial, eye manifestations of, 926
 ophthalmoscopy in, 925
 classification of, 923
 signs in, 927
 eye and ear involvement in, 427
 ganglion blocking in, effect on retinal blood pressure, 441
 index of Fritz in, 253
 ophthalmoscopy in, clinical significance of, 923
 papilledema in, 286
 retinal blood pressure in, 440
 retinopathy of, 917
 Hyperthyroidism, exophthalmos and, 115
 Hypertropia, surgery for, binocular vision after, **928**
 See also under Strabismus
 Hyphema, **84**, 284
 spontaneous, abnormal iris vessels and, 426
 traumatic, **873**

Explanation: Numbers in boldface refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the July issue (pages *1 through *143) OR Part II of the November issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the September issue (pages †1 through †122).

Hypnosis, in suppression amblyopia of children, 53
Hypophysis, blood vessels of optic chiasm and, 916
Hypothalamus, blood vessels of optic chiasm and, 916
 effect stimulation of, an ocular tension, 919
 eye and, in genital stimulation, 242
Hypotony, after cyclodialysis, 272
Hypoxia, chorioretinal lesions due to, oxygen to treat, 771

I

Illumination, response Limulus eye to, *210
Implants, anterior chamber, 255
 corneal acrylic, 625
 intracocular, 117
 of sclera, into anterior chamber, 534
Immunologic organ specificity of lens, *187
Inclusion bodies, staining of, 917
 See also under Conjunctivitis and under Trachoma
Index for symposium on Electrophysiology of the Visual System, September, Part II, †179, †180, †181, †182
Indians, Canadian, phlyctenular keratoconjunctivitis in, 210
Industrial ophthalmology, 785
Industry, visual screening in, 227, 767
Infants, diseases of sinuses in, 435
 visual fields in, 250
Infection, late, of filtering conjunctival scars, 155
Infrared, radiation: See under Radiation
INJURIES: anterior chamber hemorrhage after, 284
 cauterizing, Novocaine injections in, 118
 chemical burns, 283
 contusion, iris atrophy after, 780
 emergency treatment of, 118, 119
 eosinophil count in, 924
 flash burns of rabbit retina, 700
 foreign body: See Foreign Bodies
 glass, retention splinters of, 781
 head, eye signs of, 283
 penetrating, in children, management of, 88
 perforating, 225
 LK-values in, 422
 long-term follow-up of, 439
 pupil disturbances after, 278
 skull, optic nerve lesions in, 112
 thermal burns, of eyelids, 283
Insect, bites of eye, 623
 keratoconjunctivitis caused by, 262
Instituto Barraquer, II. International Course of, 908
INSTRUMENTS: amblyoscope, 424
 applicator, rubber-tipped metal, 923
 camera, hand fundus, 924
 collated near-vision test card, 592
 combination unit for refractors, 747
 corneal graft table, 591
 DeWecker scissors, to remove corneoscleral sutures, 587
 diathermy machine, 255
 episcleral needles to locate foreign bodies, 76
 fluorescent lamp examining unit, 936
 for lamellar keratoplasty, 924
 for subconjunctival implantation, 257
 gimbal-mounted projector to demonstrate torsion, 696
 hand illuminator for gonioscopy, 84
 hand optometer, 257
 keratoscope, 623
 lacrimal dilator and cannula, 255
 magnet, permanent, 926
 microrheometer, for perfusion, 613
 moist chamber, 589
 ophthalmoscope, for color television, 926
 photokeratograph, 926
 probe for Bertram locator, 927
 punch forceps for keratoplasty, 932
 recording tonometer, 623
 refinement for hand ophthalmoscope, 750
 refractor unit, portable, 218
 solar cautery, 624
 stand to mount Wood's light, 926
 trial frame, 624

Insulin, shock, retinal and ocular pressure during, 624
Intracranial vascular disease, ophthalmodynamometry in, 924
Intrauterine infections, new syndrome due to, 442
Iodine, in ocular therapy, 257
Iodoacetic acid, cataract due to, 246
Iran, trachoma in, 770
Iridectomy, in closed-angle glaucoma, 420
Iridocyclitis, 628
 valvular, postplaced, 770
Iridocyclitis, after cataract extraction, 274
 due to herpes simplex, 269
 etiology of, 767
Iridoschisis, 794
IRIS: aniridia, related defects and, 427
 aplasia of, rubella and, 439
 atrophy of, after trauma, 780
 of epithelial layers, 269
 blood vessels of, abnormal, hyphema and, 426
 cyst of, implantation, 627
 irritation of, pressure response to, 618
 melanoma of, 427
 pigment layers of, traumatic detachment of, 780
 prolapse, after cataract extraction, 86, 274
 replacement of, 933
 rubeosis of, in diabetes, 933
 fluorescein test in, 269
 solar coagulation of, 627
 spongy structure of, 916
 tumors of, primary, 268
 white spots of, 587
Iritis, perichondritis, chondritis and, 268
Iron compounds, effect on vitreous, 356
Italian ophthalmology, 602

J

Jackson Memorial Lecture, XIV, 467
Japan
 trachoma in, 930
 pathology of, 263
Japanese Ophthalmological Society, 906

K

Keloid, corneal, 263
KERATITIS: after cataract extraction, 892
 Cogan's syndrome and, 262
 herpetic, keratoplasty in, 671
 interstitial, after cortisone, 265
 neuroparalytic, tarsorrhaphy in, 932
 nummular, 266
 of chickenpox, 264
 physiology of, 241
 punctate, adenovirus and, 918
KERATOCONJUNCTIVITIS: 226
 Bengal rose staining in, 768
 epidemic, due to adenovirus, 265, 266, 917
 insect producing, 262
 phlyctenular, in Canadian Eskimos and Indians, 210
Keratoconus: See Cornea, conical
Keratoscleritis, 425
Kinetics, of pupil, influence procaine on, 244
Krönlein operation, in optic nerve tumor, 112

L

Lacrimal apparatus: a review, 117
 duct, atresia of nasolacrimal, 117
 diseases of, eye and, 435
 patency of, classification of, 437
 function of, 437
 gland, electron microscope study of, 615
 nerve distribution in, 916
 in trachoma, 779
 surgery of, problems of nasal and, 668
Lacrimal proteins, Schirmer test and, *12
Lacrimal secretion, sphenopalatine-ganglion block and, 281
 See also Tears

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

- Lagophthalmos, cicatricial ectropion and, due to lid ab-
scess, 77
operation for, 282
Landolt ring test, guessing bias of, *77
Laurence-Moon-Biedl syndrome, 784
Leber's disease, 112, 434
Lectures, Jackson Memorial, XIV, 467
Lister Oration, 447
Proctor Medal, *163
deSchweinitz, 405
LENS: absorption oxygen by, effect X rays on, 614
capsule of, adhesion to hyaloid, cataract extraction and,
495
exfoliation of, 106
study of, 508
thermal detachment of anterior lamella of, 106
changes in, reversal of in early diabetes, 219
culture, synthetic medium for, *288
epithelium, cell division in, *288
in cataract pathogenesis, 107
fibers of, electron microscope study of, 611
fluorescence of, 618
glutathione in, *36
histochemical changes, in development of rat, *47
immunologic organ specificity of, *187
opacities, choroiditis and, 267
sulphydryl groups and, 765
phosphatase in, 613
proteins of, 616
age and, 614
sulphydryl groups in, *36
subluxated, due to complicated cataract, 88
thiaminase in, 765
Lenses, anterior chamber: See Anterior chamber, lenses
contact: See Contact lenses
spectacle: See Spectacles
Lentoid bodies, free after surgery congenital cataract,
775
Leprosy, 130
ocular, 359
Leukemia, retinopathy and, 109
Leukocytes, in cornea, 610
origin of, in corneal injuries, 264
LIGHT: adaptation, amblyopic eyes in, *68
changes in enzymes of visual cells in, 616
coagulation, 617
of iris, 627
influence on vegetative system, 247
LK-valves, in eye injuries, 422
polarized, biomicroscopy with, 925
response Limulus eyes to, *710
LK-values, in perforating eye injuries, 422
Limbus, Vogt's white girdle of, 266
Limulus, electric activity in eye of, *210
Lindau disease, in five generations, 110
Lipoma, of orbit, 778
subconjunctival, 118
Lister oration, 447
Lobectomy, visual field changes after, 777
Lymphoblastoma, 438
Lymphosarcoma, of orbit, 435
- M**
- Macropsia, of cyclopean eye, 249
MACULA: arteries of, tortuosity of, 431
color of, 611
degeneration of, disciform, 896
juvenile, 276
senile, 110
surgery of, 584
hole in, bilateral, 276
retinal detachment and, 277
lesions of, diagnosis of, 110
sparing of, in hemianopsia, 610
Malaya, two cases from, 925
Mandibulofacial dysostosis, 442, 886
Marble-bone disease, 436
Marchesani syndrome, 108
Marfan's syndrome, 284
tonography in, 428
Mauriac syndrome, 402
Medullo-epithelioma, of ciliary body, adult type, 19
Meetings, ophthalmic: See Ophthalmic meetings
MELANOMA: after adrenalin, 283
in temporal periphery, 780
of bulbar conjunctiva, 262
of choroid, 402, 427
of ciliary body, 427
of iris, 427
uveal, culture of, *163
Méniere's syndrome, nystagmus in, 278
Meningioma, of optic nerve, 745
Meningo-uveal syndrome, 782
Metabolism, inhibition of, retinal swelling and, 614
Methyl alcohol poisoning, 433
Methylcellulose, irritation studies of, 891
Methylprednisolone, 919
Microphthalmos, pathogenesis of, 121
Micropsia, of cyclopean eye, 249
Microscopy, electron: See Electron microscopy. Phase-contrast: See Phase-contrast microscopy
Miltown, in glaucoma, 271
MIOTICS: in glaucoma, prognostic value tonography and,
11
Moebius syndrome, 122, 443
Moist chamber, 589
Motor apraxia, congenital ocular, 382
MOVEMENTS of the eye, congenital apraxia, 382
defects in, after cranial trauma, 284
projector to demonstrate torsion, 696
saccadic, electromyography to study, *183
with myoclonus, 205
Mucopolysaccharides, in alloxan diabetes, 612
MUSCLES of the eye: diseases of, 424
dystrophy of, 930
extraocular, 227
artificial paresis of, 213
dystrophy of, 259
electrocardiographic alterations during surgery on, 367
electromyography of, 929
inferior oblique, myectomy of, 928
inferior rectus, paresis of, 896
myasthenia and paralysis of, 258
operations on, levator advancement and resection, 283
palsy, due to herpes zoster, 279
paralysis, pupil distortion and, 284
surgery of, anoxemia during, electrocardiogram and, 367
electrocardiogram during, 367
oculo-cardiac reflex in, 253
Myasthenia, electromyography in, 258
Mydriatic, R-658, 616
Myeloma, 402
Myiasis, posterior internal, 782
Myoclonus, eye movements with, 205
Myopathies, ocular, 929
MYOPIA: acquired, in airline pilots, 248
effect on depth perception, in pilots, 765
in children, dietary treatment of, 921
macular aplasia and, 123
method to improve, 622
of prematurity, 45
spherophakia, glaucoma and, 108
transient, after Diamox, 613
Myositis, exophthalmos due to, 778
Myotonic dystrophy, 241
- N**
- Napthalene, intoxication, retinal lesions after, 765
Nasal-lacrimal surgery, problems of, 668
Neomycin, 247
Neosporin, prophylactic use in donor eyes, 351
Nephropathy, adrenal cortex role in, 111
NERVES: cranial, 3rd, 4th and 6th, paralysis of, 787
interruption of, in Horner's syndrome, 289

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

NERVES (continued)

- of lacrimal gland, distribution in, 916
- paralyses of, abducens, in cranial lesions, 284
- sympathetic ocular, paralysis of (Raeder's syndrome), 194
- Nervous centers, in glaucoma, 774
- Nervous control, of ocular tension, 890
- Nervous system, vegetative, influence light on, 247
- Neural disease, retrolental fibroplasia and, 109
- Neurofibroma, papilledema due to, 279
- subarachnoid hemorrhage due to, 279
- Neurofibromatosis, 279
- Neuro-ophthalmology, collagen disease and, 279
- problems in, 113
- New England Ophthalmological Society, 597, 897
- New York Society for Clinical Ophthalmology, 84, 403, 752
- New Zealand, ophthalmic problems in, 661
- Newborn, prophylaxis in, comparative study, 925
- retinal hemorrhages in, 658
- News Items, 124, 288, 444, 633, 786, 934
- Nocardiosis, 120
- Novocaine injections, in cauterizing injuries of eye, 118
- intravenous, in acute glaucoma, 774
- Nuclear weapons, retinal hazard from, evaluation of, 700
- Nutrition, in myopic children, 921
- NYSTAGMUS: electronystagmographic analysis of, 434
- in Ménière's syndrome, 278
- inhibition of, 434
- neurologic considerations in, 929
- optokinetic, 929
- retractorius, 260

O

- O-antistreptolysin, influence on blood-aqueous barrier, 243
- OBITUARIES: Barkan, Otto, 101
- Post, Lawrence T., 95
- Sitchevska, Olga, 235
- Thigpen, Charles A., 910
- Zentmayer, William, 412
- OCULAR TENSION: action Citral on, 269
- action Diamox on, 614
- aqueous, and control of, 245
- blood pressure and, 919
- electroshock and, 615
- in alloxan diabetes, 612
- influence cervical sympathectomy on, 919
- influence steroids on, 323
- nervous control of, 893
- regulation of morphology of, 270
- response of, to pressure on iris, 618
- retinal pressure and, during insulin shock, 624
- subnormal, after cycloidalysis, 272
- Oleoandomycin, *10
- Onchocerciasis, 119
- histology of, 120
- OPERATIONS: Blaskovics (modified, Iliff) for blepharoptosis, 819
- in ptosis, 117
- Hummelsheim, 397
- Kronlein's, in optic nerve tumor, 112
- reopening of cicatrized trephination, 905
- Ophthalmic, meetings, 1958 Academy, 905
- XVIII International Congress, 906
- Japanese Ophthalmological Society, 906
- II International Course, Instituto Barraquer, 903
- speakers at, care and nutrition of, 409
- spring, 1958, 233
- 17th Wilmer Residents Association, 410
- problems, in New Zealand, 661
- research, 892
- Institute of Australia, 690
- Ophthalmodynamometry, 927
- in internal medicine, 784
- in intracranial vascular disease, 924
- physical basis of, 623
- OPHTHALMOLOGY: American, progress of, 90
- industrial, 785

OPHTHALMOLOGY (continued)

- Italian, 602
- heredity in, 121
- history of, bibliography of, 443
- office practice in, visual aids in, 186
- optometry and, 783
- salicylate of soda in, 768
- Ophthalmoplegia, due to intracranial aneurysm, 434
- ptosis and, congenital, 122
- Ophthalmoscope, color television, 926
- monochromatic light for, 767
- refinement for hand, 750
- Ophthalmoscopy, in arterial hypertension, 925, 927
- classification of, 923
- clinical significance of, 923
- Optic chiasm, blood vessels of, hypophysis and hypothalamus and, 916
- OPTIC NERVE: 776
- atrophy of, hereditary, 112, 433
- in chiasm syndrome, 280
- in diabetes, 123
- in marble-bone disease, 436
- temporal arteritis and, 403
- conduction velocities of rabbit, *223
- endothelioma of, 776
- glioma of, 111, 113
- management of, 654
- historiography of, 622
- lesions of, electroretinogram in, 923
- in skull injuries, 112
- meningioma of, 745
- nervehead swelling, blindspot enlargement and, 278
- semidecussation of, 114
- tumors of, 112
- Optic neuritis, arteriosclerotic, 278
- Bornholm disease and, 81
- chiasmal, 111
- hydrocortisone in, 433
- retrobulbar: See Retrobulbar neuritis
- Optic radiation, visual fields and, 777
- Optical aids, for children with low vision, 813
- Optics and visual physiology: a review, 620
- Optometry, ophthalmology and, 785
- ORBIT: angiography of, diagnosis and, 116
- cellulitis of, 436
- exophthalmos due to, 778
- cholesteatoma of, 281
- fracture of, pupil disturbances after, 278
- granuloma of, exophthalmos due to, 436
- hemangiopericytoma of, recurrent, 89
- lipoma of, 778
- lymphosarcoma of, 435
- mixed tumors of, 438
- osteoma of, 392
- phleboliths of, 116
- pseudotumor of, 280
- reconstruction of, 778
- reticulosarcoma of, biopsy in, 780
- sarcoidosis of, 116
- tumors of, epidermoid and dermoid, 280
- primary, 501
- Organ specificity immunologic of lens, *187
- Orthoptics, in esotropia, 258
- in strabismus, 259, 260
- practice of, present status of, 755
- Osteoma, of orbit, 392
- Oximes, in ophthalmology, 724
- Oxygen, lens absorption of, effect X rays on, 614
- to treat chorioretinal lesions, 771
- to treat disturbances of dark adaptation, 767

P

- Paget's disease, Groenblad-Strandberg syndrome and, 287
- Pakistan, trachoma in, 625
- Papilledema, due to neurofibroma, 279
- emphysema and, 112
- hypertension and, 286

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

Papillitis, pseudo-, vascular, 776
 Paracoccidiosis, of conjunctiva, 623
 Parasites, in ciliary body, 782
 Parinaud syndrome, frontal tumor and, 777
 Parotid gland, syndrome, 782
 tumor, 227
 Pediatric syndromes, 597
 Pemphigus, cicatricial ocular, 882
 Penicillin, trachoma inclusions and, 930
 Pentolinum, effect on aqueous dynamics, 499
 Perichondritis, chondritis, iritis and, 268
 Perphenazine, in ocular surgery, 349
 Phacogenetic reaction, after cataract extraction, 367
 Phase-contrast microscopy, of blood aqueous barrier in
 hemorrhagic glaucoma, 244
 of vitreous, 618
 Pheochromocytoma, albuminuric retinopathy and, 110
 Philadelphia, College of Physicians of, Section on Oph-
 thalmology, 85, 404, 599, 899
 Phlebotomy, of orbit, 116
 Phlyctenular keratoconjunctivitis: See under Keratocon-
 junctivitis
 Phosphatase, in cornea, 613
 in lens, 613
 Phosphate buffer, in chemical injuries of cornea, 891
 Phosphenator test, to detect glaucoma, *55
 Photocoagulation, 423
 of retina, in angiomatosis, 463
 Pigment epithelium, vagaries of, 226
 Pilots, airline, acquired myopia in, 248
 Pituitary, adenoma of, effect estrogen on, 768
 tumor of, radiation treatment of, 253
 Plasmocytoma, ocular, 118
 PLASTIC SURGERY: of conjunctival cul-de-sac, 778
 of eyelid, 386
 of lower fornix, 767
 of orbit, 778
 to repair defects from ophthalmic malignancies, 635
 Posner-Schlossmann syndrome, 272
 Post, Lawrence T., 85
 recollections of, 605
 Potentials: See under Electric and under Electroretino-
 gram
 Prednisolone, in temporal arteritis, 287
 Prednisolone-21 phosphate-neomycin sulfate solution in
 ophthalmology, 736
 Prednisone, 257
 Prematurity, myopia of, 45
 retinopathy of, 89
 Procaine, influence on kinetics of pupil, 244
 Proctor Medal, *146
 Lecture, *143
 remarks on acceptance of, *156
 Prostheses, 256
 Protein C, in inflammations, 764
 Proteins, blood-aqueous barrier and, 245
 of aqueous, 245
 of lens, 616
 age and, 614
 of tears, electrophoretic study of, *12
 sulfhydryl groups of, in lens, *36
 tests, C-reactive, in Behçet's disease, 924
 Prothrombin, in aqueous, 247
 Protozoa, uveitis due to, 426
 Pseudocysts, in anterior chamber, 770
 Pseudomonas, aeruginosa, cell-free extracts of, corneal
 ulcers produced by, *21
 proteases, corneal destruction by, *249
 Pseudopapillitis, vascular, 776
 Pseudoxanthoma elasticum, 784
 Pterygium, treatment of, 425
 visual loss due to, 263
 PTOSIS: Blaskovics operation in, 117, 282
 ophthalmoplegia and, congenital, 122
 paralytic, contact lenses in, 435
 refraction in, 923

PUPIL: block, in aphakia, 831
 disturbances, after injury, 278
 muscle paralysis and, 284
 drawn-up, after cataract extraction, 87
 in Horner's syndrome, 289
 in myotonic dystrophy, 241
 kinetics of, influence procaine on, 244

R

Radiation, cysteine as protection against, 247
 gamma, effect on cat eye, *114
 infrared, 423
 therapy, 227, 623
 diabetic retinopathy and, 775
 in pituitary tumor, 253
 in retinoblastoma, 775
 radon seeds to treat intraocular tumor, 649
 X rays: See X rays
 Radioactive isotopes, 251, 621
 electrophoretic patterns after, *196
 phosphorus, to diagnose intraocular neoplasms, 283
 Radioelectrophoretic patterns, of aqueous and plasma,
 after ¹²⁵I-labeled insulin, *196
 Radon seeds, to treat intraocular tumors, 649
 Raeder's paratriggering syndrome, 194
 Recklinghausen disease, exophthalmos in, 116, 281
 Reese, Algernon B., *147
 an appreciation, *148
 Refraction, combination unit for, 747
 in blepharochalasis, 923
 in ptosis, 923
 Refsum's syndrome, 784
 Reiter's syndrome, 784
 in females, 265
 Reticulosarcoma, of orbit, 780
 RETINA: angiomatosis of, 11 years after diathermy
 coagulation, 525
 photocoagulation of, 463
 arteritis of, in rheumatoid arthritis, 776
 artery, occlusion of, arteriolar, 110
 secondary glaucoma after, 132, 273
 pressure, in diagnosis, 257
 ocular tension and, during insulin shock, 624
 blood pressure in, effect ganglion block on, 441
 in hypertension, 440
 blood vessels of, influence fever therapy on, 921
 blood volume of, factors influencing, 1
 circulation of, cerebral and, 440
 disturbances of, electroretinogram in, 432
 physiopathology of, 764
 time of, *8
 degeneration of, pigment epithelium, 276
 tapeto-, electroretinogram in, 431
 and electroencephalogram in, 632
 diagnosis of, 109
 DETACHMENT: congenital, 742
 idiopathic, 111
 serous, 896
 macular hole and, 277
 operations for, pathology of, 277
 scleral folding in, 109
 sclerectomy in, 431
 surgery of, 108, 111
 ultrasound to diagnose, 110
 fetal, circulatory disturbances in, 631
 flash burns, of rabbit, *700
 formaldehyde oxidation in, effect glutathione on, *42
 glycogen content of, 246
 hazard to, from nuclear weapons, 700
 hemorrhage of, in newborn, 658
 lesions of, after naphthalene intoxication, 765
 metabolism of, 920
 influence corticosteroids on, 242
 optic sensation and, 621
 perivascular sheathing in, 276
 photocoagulation of, in angiomatosis, 463
 photopic receptors of, in achromat, *81

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

RETINA (continued)

rods of, degeneration of, 11-cis vitamin A to prevent, *205

- spike responses in, *223
- swelling of, metabolic inhibition and, 614
- tears of, tumors and, 74
- thiaminase in, 765
- thrombophlebitis of, treatment of, 433
- tissues of, study of fetal, 616
- Retinal correspondence, after-image test for, 71
- Retinitis, due to *Candida albicans*, 277
- pigmentosa, atypical, 432
 - syndromes associated with, 784
- Retinoblastoma, in adult, 780
 - intracranial extension of, 201
 - triethylene melamine in, 775
- Retinopathy, albuminuric, pheochromocytoma and, 110
 - diabetic: See Diabetic retinopathy
 - hypertensive, 917
 - leukemic, 109
 - of prematurity, pathogenesis of, 89
 - sickle-cell, 109
- Retinoplexy, thermal, shrinkage measurements in, 37
- Retinoscopy, fractionized cylinder, 403
- Retrolbulbar neuritis, hydrocortisone in, 433
 - sinusitis and, 278
 - spinal fluid circulation and, 111
- Retrolental fibroplasia, 89, 226, 896
 - incidence with controlled oxygen, 773
 - myopia and, 45
 - neural disease and, 109
 - somatic disease and, 109
- Rhodanese and rhodanese S, in ocular fluids, 613
- Rubella embryopathy, 439
- Rubeosis, of diabetes, blood chemistry in, 246

S

- Salicylate of soda, in ophthalmology, 768
- Salivary syndrome, 782
- Sarcoidosis, 119
 - of orbit, 116
- Schlemm's canal, in primary glaucoma, 311
- deSchweinitz, George E., 404
- SCLERA: a review, 261
 - diathermy coagulation of, 765
 - granuloma of, 266
 - implants of, into anterior chamber, 534
 - internal, ruptures of, 855
 - ruptures of, ultrasound to diagnosis, 425
 - splitting of, 655
- Scleral folding, histologic findings after, 109
- Scleral rigidity, tonometry and, 273
- Sclerectomy, in retinal detachment, 431
- Scleritis, cortisone in, petechial hemorrhages after, 391
 - posterior, 626
- Scleromalacia perforans, 425
 - surgery of, 598
- Scotoma, hemianopic, 434
- Sedation, intravenous in cataract surgery, 179
 - preoperative, perphenazine for, 349
- Serendipity: Remarks made on acceptance of Proctor Medal, *156
- Shock therapy, cataract and, 430
- Sickle-cell retinopathy, 109
- Sinus, cavernous, thrombosis of, 421
- Sinuses, diseases of, in infants, 433
 - eye and diseases of, 435
- Sinusitis, retrolbulbar neuritis and, 278
- Sitchevska, Olga, 235
- Size, optical delusions of, 922
- Sjögren's syndrome, 439
- Skull, injuries of, optic nerve lesions in, 112
- Slitlamp, to examine posterior segment, 255
- Society Proceedings, 84, 225, 397, 597, 752, 895
- Solar coagulation: See Light coagulation
- Somatic disease, retrolental fibroplasia and, 109
- South Africa, Ophthalmological Society of, 225
- SPECTACLES: epithelioma in wearers of, 438
 - for children with low vision, 813
 - lenses, conoid, conoid refracting surface and, *86
 - placing of concave lenses in, 620
 - trial frame for prescription of, 624
- Spectrophotographic measurements of choroid, 936
- Spherophakia, myopia, glaucoma and, 108
- Sphincterotomy, with solar cautery, 627
- Spike responses of light, retinal antidromic, *223
- Spinal fluid circulation, retrolbulbar neuritis and, 111
- Staining, Bengal rose, in keratoconjunctivitis, 768
 - of inclusion bodies, 917
- Staphylococci, anterior, hydrocephalus and, 395
 - of cornea, hereditary, 442
- Stensen's duct, implanted into conjunctival sac, in xerophthalmos, 770
- Stereoretinotomography, 632
- Steroids, antibiotics and, 736
 - influence on ocular tension, 328
 - See also under names of various steroid products
- Stevens-Johnson syndrome, fatal after phenyl-butazone, 781
- STRABISMUS: Amblyopia in, 339
 - bilateral trochlearis paresis and, 930
 - dark adaptation in, 249
 - esotropia, 835
 - See also under Esotropia
 - etiology of, systemic factors in, 424
 - exotropia: See Exotropia
 - fixus, 925
 - horizontal, surgical indications in, 260
 - in Copenhagen, 928
 - incomitant, 929
 - influence anesthesia on, 929
 - orthoptics in, 259, 260
 - sensory fusion and, 250
 - suppression in, 339
 - surgery in, 259
 - fusion after, 928
 - use Tenon's capsule in, 599
- Sturge-Weber syndrome, 443
- Sulphydryl groups, lens opacities and, 765
- Sulfonamides, in conjunctivitis, 768
 - in trachoma, 625, 770
- SURGERY: complications of, round-table discussion, 84
 - general, glaucoma and, 403
 - nasal-lacrimal, problems of, 648
 - of exotropia, 646
 - perphenazine in, 349
 - plastic: See Plastic surgery
 - plastic approach to, 406
 - primacaine in, 254
 - strabismus: See under Strabismus
- Sutures, advances in, 49
 - corneoscleral, DeWecker scissors to remove, 587
 - human hair as, 767
 - removal of corneoscleral, 258, 587
- Swiss Ophthalmological Society, 401
- Symblepharon, amniotic membrane in surgery of, 261
- Sympathetic ophthalmia, 268
- Sympathotomy, cervical, influence on ocular tension, 919
- Symposium, on Electrophysiology of Visual System, index for September, Part II, 1179, 1180, 1181, 1182
- SYNDROMES: A and V, so-called, 835
 - a new, due to intrauterine infection, 442
- Behçet's, 933
- Cogan, 262
- Foster-Kennedy, 434
- Franceschetti, 442
- Groenblad-Stranberg, Paget's disease and, 287
- Laurence-Moon-Biedl, 784
- Marchesani, 108
- Marfan's, 284
- Mauriac, 402
- Ménier's, nystagmus in, 278
- meningo-uveal, 782
- Moebius, 122, 443

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

SYNDROMES (*continued*)

- Parinaud, frontal tumor and, 777
- pediatric, 597
- Posner-Schlossman, 272
- Refsum's, 784
- Reiter's, 784
 - in females, 265
- salivary, 782
- Sjögren's, 439
- Stevens-Johnson, 781
- Sturge-Weber, 443
- Treacher-Collins, 886

T

- Tapetoretinal degenerations: See under Retina
- Tarsorrhaphy, in neuroparalytic keratitis, 932
- Tay-Sachs disease, 442
- Tears, electrophoresis of, *12
 - See also Lacrimal secretion
- Telangiectasia, ataxia and, 121
- Temporal arteritis: See Arteritis, temporal
- Tenonitis, 435
- Tenon's capsule, use in strabismus surgery, 599
- Therapy, chloroquine, eye complications of, 931
 - fever, influence on retinal blood vessel, 921
- Thiaminase, in lens, 765
 - in retina, 765
- Thigpen, Charles A., 910
- Thromboelastography, 765
 - of secondary aqueous, 764
- Thyroid, influence on vitamin B₁₂ in ocular tissues, 617
- Tic douloureux, peripheral neurectomy in, 114
- Tissue culture, of lens, synthetic medium for, *283
 - technique, for growing corneal tissues separately, *294
 - to study toxicity of medicaments, 930
- TONOGRAPHY:** 428
 - angle-closure glaucoma and, diagnosis and therapy, 305
 - clinical, new method of, 271
 - in glaucoma, 629
 - primary, 627
 - in Marfan's syndrome, 428
 - prognostic value of, in miotic therapy of glaucoma, 11
- Tonometer, error range in, 925
 - Goldmann, applanation, 885
 - recording, 623
 - curve of, in diabetic rubecosis iridis, 771
 - in hemorrhagic glaucoma, 771
 - in screening for eye diseases, 331
 - scleral rigidity and, 273
- Torsion, demonstration of, with gimbal-mounted projector, 896
- Toxoplasma, methylene blue test for, 440
- TOXOPLASMOSIS:** 109, 782
 - congenital, chorioretinitis as only manifestation of, 135
 - endophthalmitis in, 436
 - chronic, infective dose, residual infection, and congenital transmission, *261
 - nature of virulence, *255
 - ocular, 467
- Trabecula, electron microscope to study, *27
 - in primary glaucoma, 311
 - meshwork of, morphology and pathology of, 802
- TRACHOMA:** 769, 770
 - allergy in, 770
 - campaigns against, in Algeria, 770
 - Chloromycetin in, 770
 - classification of, 261
 - cortisone in, 769
 - electron microscope to study pathology of, 261, 931
 - endemic, in Potenza, 123
 - folliculosis and, diagnosis of, 626
 - glaucoma operations in, 628
 - granules of, electron microscope to study, 931
 - hematologic examination in, 262
 - in French West Africa, 636
 - in Germany, 627
 - in Iran, 770

TRACHOMA (*continued*)

- in Japan, 930
- in Pakistan, 625
- in pilots, 932
- in South Tunisia, 626
- inclusions of, penicillin and, 930
 - staining of, 917
- inflammations of, 932
- insufficient therapy of, 626
- lacrimal apparatus in, 779
- pathology of, in Japan, 263
 - study of, by electron microscope, 261
- sulfonamides in, 770
 - derivatives of, 625
- treatment of, three-year, 262
- virus of, isolation of, 917
 - in embryonate eggs, 611
 - past and present of, 228
- Treacher-Collins syndrome, 886
- Trephination, reopening for cicatrized, 890
- Triethylene melamine, in retinoblastoma, 775
- Trypsine, 423
- Tuberculosis, dacryoadenitis in, 437
 - eye reactions in, 241
 - of external eye, 626
- TUMORS:** epibulbar, 253
 - frontal, Parinaud syndrome and, 777
 - intraocular, electroretinogram in, 438
 - radon seeds to treat, 649
 - of choroid, 267, 402, 427, 932
 - metastatic from breast, 14
 - of ciliary body, 427
 - adult type medullo-epithelioma, 19
 - of conjunctiva, 118, 769
 - bulbar, 262
 - of eyebrow, 282
 - of eyelids, 282, 779
 - of face, 118
 - of iris, 268, 427
 - of optic nerve, 111, 112, 113, 745, 776
 - of orbit, 280, 281, 392, 435, 438, 778, 780, 925
 - primary, 501
 - of parotid gland, 227
 - of pituitary, 253, 254
 - effect estrogen on, 768
 - of uvea, *163
 - plastic surgery to repair defects from, 615
 - retinal tears and, 74
- Tunisia, trachoma in South, 626
- Twins, anomalous correspondence and exotropia in, 258

U

- Ulcers: See under names of various organs, regions, etc.
- Ultrasonic locator, *319
- Ultrasound, in diagnosis retinal detachment, 110
 - influence on corneal permeability, 919
 - to diagnose scleral rupture, 425
 - to study acoustic properties of ocular media, *319
 - to study vitreous, 361
- Ultraviolet light, eye protection against, 620
- Uvea, melanomas of, culture of, *163
 - sensitization of, elective, 612
- UVEITIS:** anaphylactic, glutathione in cataract of, 211
 - chlorides of aqueous in, 612
 - due to helminths and protozoa, 426
 - endogenous, Behçet's syndrome and, 933
 - liver function in, 933
 - recurrent, vitreous hemorrhages and, 267
 - serum proteins in, 933
 - spinal fluids in, 933

V

- Vascular phenomena, of conjunctiva, 266
- Vasoconstrictors, 928
- Vasodilators, 928
 - in retinal thrombophlebitis, 433

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *141) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

- VIRUSES:** adenovirus, epidemic keratoconjunctivitis and, 265, 266, 917
 punctate keratitis and, 918
 diseases, 241, 402
 herpes: See under Herpes
 trachoma: See under Trachoma
VISION: binocular, after hypertropia operations, 928
 color: See Color vision
 emergence of, in animal world, 447
 low, children with, newer optical aids for, 813
 mechanism of, 249
 panoramic, in eye and systemic diseases, 922
 quantum effects in, 250
 stereoscopic, 248
 Visual acuity, deterioration of, under glare, 353
 Landolt-ring test for, guessing bias of, *77
 method to improve, 262
 Visual aids, in office practice, 186
 for children with low vision, 813
 Visual distortion, 922
VISUAL FIELDS: changes in, after lobectomy, 777
 after X-ray for pituitary tumor, 254
 electroencephalographic control of, 422
 in color blindness, 922
 in glaucoma, 629
 primary, 271
 in infants, 250
 optic radiation and, 777
 superimposed, 256
 Visual loss, acute, a neurosurgical emergency, 115
 after cerebral infarction, 114
 due to pterygium, 263
 prevention of, 123
 Visual physiology, optics and, a review, 620
 Visual screening, in industry, 277, 767
 multiple, for eye diseases, 331
 Visual sensory units, minimal angle of resolution and, *102
 Visual system, Electrophysiology of, symposium on:
 Complete index for, September, Part II, †179, †180, †181, †182

- Visual tests, card for near-vision, 592
 for children, 219
VITAMINS:
 A, 11-cis, to prevent retinal rod degeneration, *205
 B₁, in ocular tissues, 617
 B₂, influence on corneal nerve fibers, 243
 B₁₂, in neural therapy, 255
VITREOUS: acoustic properties of, 361
 effect blood on, 356
 effect iron compounds on, 356
 electrophoresis of, 918
 fetal, circulatory disturbances in, 631
 floaters, dispersing of, 225
 hemorrhages, uveitis and, 267
 loss of, 87
 lyophilizing transplant of, 242
 opacity, vitreous replacement in, 431
 persistent hyperplastic, 110
 phase-contrast microscope study of, 618
 removal copper splinters from, 925
 ultrasound study of, 361

W

- Wilmer Residents Association, 17th meeting, 410
 Wound, closure, 85
 corneoscleral, 397
 healing of ocular, 405

X

- Xanthomas, of eyelids, 779
 Xerophthalmos, implantation Stensen's duct in, 770
 X rays; effect on lens absorption of oxygen, 614
 therapy, in Eales' disease, 108
 in pituitary tumor, visual field changes in, 254

Z

- Zentmayer, William, 412
 Zinc, eyes of rats deprived of, 613
 Zonule, studies on, *299
 Zonulolysis, enzymatic, 235

INDEX

Authors and Titles

of

Original Articles and Notes, Cases, Instruments

The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

- A**
- ALBERS, Edward C., and KLIEN, Bertha A.: Iridochiasis: A clinical and histopathologic study, **794**
- ALFANO, Joseph E.: Myopia of prematurity, **45**
- ALLEN, James H.: See FISHER, Earl, Jr.
- ANSELM, A.: See RHODE, Jesus
- APTER, Julia T.: Changes in spontaneous and evoked potentials on the eyes of cats induced by drugs, ***238**
- ARMINGTON, John C., and CRAMPTON, George H.: Comparison of spectral sensitivity at the eye and the optic tectum of the chicken, **172**
- B**
- BAJARES, Abelardo Cruz: See RHODE, Jesus
- BALLINTINE, Elmer J.: See WAITZMAN, Morton B.
- BASU, P. K.: See MORTON, P. L.
- BAUM, Gilbert, and GREENWOOD, Ivan: The application of ultrasonics locating techniques to ophthalmology: Theoretic considerations and acoustic properties of ocular media: Part I. Reflective properties, ***319**
- BECKER, Bernard: The prognostic value of tonography in the miotic therapy of chronic simple glaucoma, **11**; The decline in aqueous secretion and outflow facility with age, **731**. See also TARKKANEN, Ahti H. A.
- BECKER, Bernard and THOMPSON, Hardy E.: Tonography and angle-closure glaucoma: Diagnosis and therapy, **305**
- BELLOC, Nedra B.: See LEVATIN, Paul
- BERENS, Conrad: Visual acuity and color recognition test for children, **219**
- BERG, Margaret: See ERICKSON, Olive Fedde
- BESWICK, A. J., LANGLEY, R., and McCULLOCH, Clement: Factors influencing the movement of fluorescein in the cornea, ***3**
- BETTMAN, Jerome W., and FELLOWS, Victor: Factors influencing the blood volume of the choroid and retina, **1**
- BEUERMANN, Virgil A., and TABOR, George L., Jr.: Primary tumors of the orbit: With case reports, **501**
- BIANCO, Afonso: Cicatricial ocular pemphigus, **882**
- BIERMAN, Edward O.: Retinal tears associated with tumors, **74**
- BOCK, Rudolph: Corneal graft table, **591**
- BOLES-CARENINI, B.: See SPURGEON, W. M.
- BREININ, Goodwin M.: Analytic studies of the electrogram of human extraocular muscle, **1121**
- BROGGI, Richard John: Refinement for the hand ophthalmoscope, **750**
- BROWN, Kenneth T., and WIESEL, Torsten N.: Intraretinal recording in the unopened cat eye, **191**
- BROWNING, Carroll W., QUINN, Lester H., and CRASILNECK, Harold B.: The use of hypnosis in suppression amblyopia of children, **53**
- BRUCE, R. Grady: See NEWTON, F. H.
- BURIAN, Hermann M.: See von NOORDEN, Gunter K.
- BURNSIDE, Ronald M.: Surgery for senile macular degeneration, **584**
- C**
- CAMBIAGGI, A.: See SPURGEON, W. M.
- CAPRILES, Miguel A.: See RHODE, Jesus
- CARBO, Ralph J.: Combination unit for refractors: Muscle light, multiple reading and color cards, **747**
- CHAO, Peter, and FLOCKS, Milton: The retinal circulation time, ***8**
- CHATTERJEE, B. M.: Osteoma of the orbit, **392**
- CHATZINOFF, Albert, MILLMAN, Nathan, ORSHNIK, William, and ROSEN, Fred: 11-cis vitamin A in the prevention of retinal rod degeneration: An animal study, ***205**
- CHI, H., TENG, C. C., and KATZIN, H. M.: Experimental implants of sclera into the anterior chamber, **534**
- COLLINS, Wayne, HOLT, L. Byerly, and ROBESON, Kathryn: Tubocurarine and Nembutal anesthesia: In rabbit eye surgery, **596**
- COOPER, Jack C.: Eye movements associated with myoclonus, **205**
- COULOMBRE, Alfred J., and COULOMBRE, Jane L.: Corneal development: II. Transparency changes during rapid hydration, ***276**
- COULOMBRE, Jane L.: See COULOMBRE, Alfred J.
- COVELL, Lester L.: Moist chamber, **509**
- CRAMPTON, George H.: See ARMINGTON, John C.
- CRASILNECK, Harold B.: See BROWNING, Carroll W.
- CUSICK, Paul L.: See SCHIMEK, Robert A.
- D**
- DICKSON, Robert L.: Choroidal metastases from carcinoma of the breast, **14**
- DOCTOR, Daniel, and HUGHES, Irene: Prophylactic use of Neosporin for donor eyes, **351**
- DODT, Eberhard: Physical factors in the correlation of electroretinogram spectral sensitivity curves with visual pigments, ***187**
- DUERSON, H. Lyle, Jr.: See KEENEY, Arthur H.
- DUGGAN, J. Winston, and HATFIELD, R. E.: Phlyctenular keratoconjunctivitis: Among Canadian Eskimos and Indians, **210**
- DUKE-ELDER, Sir Stewart: The emergence of vision in the animal world: The Lister Oration, **447**
- DUMAS, J., FIELDING, I. L., and ORMSBY, Hugh L.: Oleandomycin, ***10**
- E**
- EDWARDS, Thomas S., and FINLAY, John R.: Meningioma of the optic nerve: Of one month's clinical duration, **745**
- EGLESTON, DuBois, McPHERSON, S. D., Jr., and PERRY, Robert: Retinoblastoma: With intracranial extension masked by trauma and anterior chamber hemorrhage: Report of a case, **201**
- EHRlich, Gabriele: See REESE, Algernon B.
- EIRING, A.: See STOCKER, F. W.
- ERICKSON, Olive Fedde, HATLEN, Rachel, and BERG, Margaret: Lacrimal proteins in correlation with the Schirmer test: Filter-paper electrophoresis of tears, technique and calculation for rate, percentage of components and proteins, ***12**
- ESPOSITO, Albert C.: DeWecker scissors: In removing corneal-scleral sutures, **587**
- F**
- FAIR, John R.: Congenital toxoplasmosis: Chorioretinitis as the only manifestation of the disease, **135**
- FASANELLA, R. M.: Problems related to nasal-lacrimal surgery, **663**
- FEENEY, M. L.: See GARRON, L. K.
- FELDSTEIN, M.: See KORNZWEIG, A. L.
- FELLOWS, Victor: See BETTMAN, Jerome W.
- FIELDING, I. L.: See DUMAS, J.
- FINE, Max: Treatment of herpetic keratitis by corneal transplantation, **671**
- FINLAY, John R.: See EDWARDS, Thomas S.
- FISHER, Earl, Jr., and ALLEN, James H.: Corneal ulcers produced by cell-free extracts of *Pseudomonas aeruginosa*, ***21**; Mechanism of corneal destruction by *Pseudomonas proteases*, ***249**
- FITZGERALD, Patricia L.: See HALBERT, Seymour P.

The asterisk (*) preceding the page number indicates that the paper was published in Part II of the July issue (pages 1 through 143) OR Part II of the November issue (pages 145 through 334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the September issue (pages 11 through 1187).

FLOCKS, Milton: See CHAO, Peter
 FRY, Glenn A.: See PRINCE, Jack H.
 FUCHS, Adalbert: Spontaneous internal scleral ruptures:
 And the splitting of the cornea-sclera, 855
 FUORTES, M. G. F.: Electric activity of cells in the
 eye of Limulus, 219

G

GARRETT, Frank E.: Herpes zoster ophthalmicus: Report of a case in a three and one-half-year-old child, 741
 GARRON, L. K., FEENEY, M. L., HOGAN, M. J., and McEWEN, W. K.: Electron microscope studies of the human eye: I. Preliminary investigations of the trabeculas, 27
 GEORGIADIS, N.: See STOCKER, F. W.
 GEORGIADIS, R.: See STOCKER, F. W.
 GERMUTH, F. G., MAUMENE, A. Edward, PRATT-JOHNSON, J., SENTERFIT, L. B., VAN ARNAM, C. E., and POLLACK, A. D.: Observations on the site and mechanism of antigen-antibody interaction in anaphylactic hypersensitivity, 222
 GIFFORD, Harold, Jr.: A clinical and pathologic study of exfoliation of the lens capsule, 588
 GILES, Conrad L., and HENDERSON, John Woodworth: Horner's syndrome: An analysis of 216 cases, 299
 GILES, Kenneth M., and HARRIS, John E.: Radioelectrophoretic patterns of aqueous and plasma: After intravenous injection of 125 I-labeled insulin into rabbits, 156
 GOODMAN, George, and GUNKEL, Ralph D.: Familial electroretinographic and adaptometric studies in retinitis pigmentosa, 1142
 GOODSIDE, Victor: Posterior crocodile shagreen: A corneal dystrophy, 748
 GORDON, Dan M.: Ethoxzolamide: A new carbonic anhydrase inhibitor, 41; Prednisolone-21 phosphate-neomycin sulfate solution in ophthalmology, 735
 GOURAS, Peter: Electric activity of toad retina, 159
 GRANIT, Ragnar, and MARG, Elwin: Conduction velocities in rabbit's optic nerve: And some observations on antidromic retinal spikes, 223
 GREENWOOD, Ivan: See BAUM, Gilbert
 GROM, Edward: See RHODE, Jesus
 GROVER, A. D.: Congenital anterior straphyloma with hydrocephalus, 395. See also SINGH, Satnam
 GUERRY, DuPont, III.: See HAM, William T., Jr. See also LIEB, Wolfgang A.
 GUERRY, DuPont III., WIESINGER, H., and HAM, William T., Jr.: Photocoagulation of the retina: Report of a successfully treated case of angiomatosis retinae, 463
 GUNKEL, Ralph D.: See GOODMAN, George

H

HALBERG, G. Peter: Portable refractor unit, 218. See also JACOBSON, Jerry Hart
 HALBERT, Seymour P., and FITZGERALD, Patricia L.: Studies on the immunologic organ specificity of ocular lens, 4187
 HAM, William T., Jr.: See GUERRY, DuPont III
 HAM, William T., Jr., WIESINGER, H., SCHMIDT, F. H., WILLIAMS, R. C., RUFFIN, R. S., SHAFFER, M. C., and GUERRY, DuPont, III.: Flash burns in the rabbit retina: As a means of evaluating the retinal hazard from nuclear weapons, 799
 HAMILTON, J. Bruce: The Ophthalmic Research Institute of Australia: And its possible impact on ophthalmic surgery and medicine, 690
 HARPER, John Y., and POMERAT, C. M.: In vitro observations on the behavior of conjunctival and corneal cells in relation to electrolytes, 269
 HARRIS, John E.: See GILES, Kenneth M.
 HATFIELD, R. E.: See DUGGAN, J. Winston
 HATLEN, Rachel: See ERICKSON, Olive Fedde
 HAYASHIDA, Michihiko: See LEVATIN, Paul
 HENDERSON, John Woodworth: See GILES, Conrad L.
 HOGAN, Michael J.: Ocular toxoplasmosis: The XIV Jackson Memorial Lecture, 467. See also GARRON, L. K.

HOLT, L. Byerly: See COLLINS, Wayne
 HOPE-ROBERTSON, Walter James: Some ophthalmic problems in New Zealand, 661
 HUBEL, David H.: Cortical unit responses to visual stimuli in nonanesthetized cats, 1110
 HUGHES, Irene: See DOCTOR, Daniel

J

JACOBS, Leon: See KAUFMAN, Herbert E. See also REMINGTON, Jack S.
 JACOBSON, Jerry Hart, ROMAINE, Hunter H., HALBERG, G. Peter, and STEPHENS, George: The electric activity of the eye during accommodation, 231
 JAMES, Burton R.: See WOLTER, J. Reimer
 JAMPOLSKY, Arthur: Surgical management of exotropia, 646. See also NAWRATZKI, Ilse; and TAMLER, Edward
 JOYCE, Arthur: Technique of treatment of intraocular tumors with radon seeds, 649

K

KATZIN, H. M.: See CHI, H. H.
 KAUFFMAN, M. Luther: Retinal hemorrhages in the newborn, 658
 KAUFMAN, Herbert E.: See REMINGTON, Jack S.
 KAUFMAN, Herbert E., REMINGTON, Jack S., and JACOBS, Leon: Toxoplasmosis: The nature of virulence, 253
 KENNEDY, Donald: Responses from the crayfish caudal photoreceptor, 119
 KEENEY, Arthur H., and DUERSON, H. Lyle, Jr.: Colored near-vision test card, 592
 KEINER, E. C. J. F.: See KEINER, G. B. Y.
 KEINER, G. B. Y., and KEINER, E. C. J. F.: Congenital ocular motor apraxia: Report of a case in an adult male, 382
 KESSLER, Julius: A discussion of the mechanisms in chronic angle-closure glaucoma, 389
 KINOSHITA, Jin H., and MEROLA, Lorenzo O.: The distribution of glutathione and protein sulfhydryl groups in calf and cattle lenses, 34
 KINOSHITA, Jin H., and MASURAT, Thomas: The effect of glutathione on the formaldehyde oxidation in the retina, 42
 KINSEY, V. Everett: See WACHTEL, Carl
 KLIEN, Bertha A.: Fuchs' epithelial dystrophy of the cornea: A clinical and histopathologic study, 297. See also ALBERS, Edward C.
 KNOLL, Henry A.: An experimental investigation of the basic phenomena of retinopathy: Part II. Thermal and shrinkage measurements, 37; Torsion demonstrations with a gimbal-mounted projector, 696
 KORNZWEIG, A. L., FELDSTEIN, M., and SCHNEIDER, J.: Pathology of the angle of the anterior chamber in primary glaucoma, 311
 KRONENBERG, Bernard: Recent advances in ocular sutures, 49
 KUHLMAN, Robert E., and RESNIK, Robert A.: Quantitative histochemical changes in the development of rat lens and cornea, 47

L

LANGLEY, R.: See BESWICK, A. J.
 LEAHEY, Brendan D.: Penetrating keratoplasty: Observations based on a series of 148 cases with special emphasis on techniques of graft fixation, 541
 LEBENSOHN, James E.: Newer optical aids for children with low vision, 813
 LEE, Pei-Fei: The influence of systemic steroid therapy on the intraocular pressure, 328
 LEHTINEN, Antti: See OKSALA, Arvo
 LEOPOLD, Irving H.: See MAMO, Jubran G.
 LEVATIN, Paul, HAYASHIDA, Michihiko, BELLOC, Nedra B., and WEISSMAN, Arthur: Multiple screening for eye diseases, 331
 LIDDICOAT, Douglas A.: See WOLTER, J. Reimer
 LIEB, Wolfgang A., and GUERRY, DuPont, III.: Experiences with an anterior chamber lens, 127

The asterisk (*) preceding the page number indicates that the paper was published in Part II of the July issue (pages *1 through *143) OR Part II of the November issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the September issue (pages †1 through †182).

LIPETZ, Leo E.: Evaluation of the Phosphenator test, *55; Response pathways to electric stimulation in the Limulus eye, †5
LORING, Milton J.: Traumatic hyphema, 873

M

McCULLOCH, Clement: See BESWICK, A. J.
McEWEN, W. K.: See GARRON, L. K. See also SQUIRE, Catherine
McGRATH, Harry: Safeguards in cataract surgery, 303
MacNICHOL, Edward J., and SVAETICHIN, Gunnar: Electric responses from the isolated retinas of fishes, 126
McPHERSON, S. D., Jr.: See EGLESTON, DuBose
MADDER, James: See WINTER, Frank Counsel
MAMO, Jubran G., and LEOPOLD, Irving H.: Evaluation and use of oximes in ophthalmology, 724
MANN, Shelton H.: See TOWNES, C. Dwight
MARG, Elwin: See GRANIT, Ragnar; and TAMLER, Edward
MARSHALL, Wade H.: Temporal periodicities in the primary projection system, 199
MASURAT, Thomas: See KINOSHITA, Jin H.
MAUMENEY, A. Edward: See GERMUTH, F. G.
MEROLA, Lorenzo O.: See KINOSHITA, Jin H.
MILLARD, D. Ralph, Jr.: Simple repair of eyelid margin defects, 386
MILLER, James E.: Electromyographic pattern of saccadic eye movements, *183
MILLMAN, Nathan: See CHATZINOFF, Albert
MORTON, P. L., ORMSBY, Hugh L., and BASU, P. K.: Healing of the endothelium and Descemet's membrane of rabbit cornea, *62
MOSES, Robert A.: The Goldmann applanation tonometer, 865
MUELLER, M. F.: White spots of the iris, 587

N

NAWRATZKI, Ilse, and JAMPOLSKY, Arthur: A regional hemiretinal difference in amblyopia, 339
NEWTON, F. H., and BRUCE, R. Grady: Contamination from eyelashes and eyebrows: In intraocular surgery, 885
NIELSEN, Ray H.: The use of perphenazine in ocular surgery: A preliminary report, 345
van NOORDEN, Gunter K., and BURIAN, Hermann M.: An electro-ophthalmographic study: Of the behavior of the fixation of amblyopic eyes in light- and dark-adapted state: A preliminary report, *68

O

OKSALA, Arvo, and LEHTINEN, Antti: Investigations on the structure of the vitreous body by ultrasound, 361
ORMSBY, Hugh L.: See DUMAS, J. See also, MORTON, P. L.
OROSHNIK, William: See CHATZINOFF, Albert

P

PAPPAS, George D., and SMELSER, George K.: Studies on the ciliary epithelium and zonule: I. Electron microscope observations on changes induced by alteration of normal aqueous humor formation in the rabbit, *299
PERRY, Robert: See EGLESTON, DuBose
POLLACK, A. D.: See GERMUTH, F. G.
POMERAT, C. M.: See HARPER, John Y.
PRATT-JOHNSON, J.: See GERMUTH, F. G.
PRINCE, Jack H., and FRY, Glenn A.: Correction for the guessing bias in the Landolt ring test, *77
PUGOY, Ruben: See VICENCIO, A. B.

Q

QUINN, Lester H.: See BROWNING, Carroll W.

R

RAMACCIOTTI, N.: See URRETS-ZAVALIA, A.
REEH, Merrill J.: See THORNFELDT, Paul R.
REINHARDT, Paul R.: See WINTER, Frank Counsel
REMINGTON, Jack S.: See KAUFMAN, Herbert E.

REMINGTON, Jack S., JACOBS, Leon, and KAUFMAN, Herbert E.: Studies on chronic toxoplasmosis: The relation of infective dose to residual infection and to the possibility of congenital transmission, *261
REMONDA, C.: See URRETS-ZAVALIA, A.
REESE, Algernon B.: Serendipity: Remarks made on acceptance of the Proctor Medal, *156
REESE, Algernon B., and ERHLICH, Gabriele: The culture of uveal melanomas: The Proctor Medal Lecture, *163
REESE, Algernon B., and WADSWORTH, Joseph A. C.: The adhesion of the lens capsule to the hyaloid membrane: And its relation to intracapsular cataract extraction, 495
RESNIK, Robert A.: See KUHLMAN, Robert E.
RHODE, Jesus, GROM, Edward, BAJARES, Abelardo Cruz, ANSELM, A., CAPRILES, Miguel A., and RIVAS, C.: A study of the electrocardiographic alterations: Occurring during operations on the extraocular muscles, 367
RIVAS, C.: See RHODE, Jesus
ROBSON, Kathryn: See COLLINS, Wayne
ROHEN, J., and UNGER, H. H.: Studies on the morphology and pathology: Of the trabecular meshwork in the human eye, 802
ROMAINE, Hunter H.: See JACOBSON, Jerry Hart
ROSEN, Fred: See CHATZINOFF, Albert
RUCKER, Q. Wilbur: Paralysis of the third, fourth and sixth cranial nerves, 787
RUFFIN, R. S.: See HAM, William T., Jr.

S

SAYOC, Burgos T.: Correction of blepharoptosis: With a simple surgical technique, 200; Mandibulofacial dysostosis: Or bilateral facial agenesis (Treacher-Collins syndrome), 886
SCHENK, H.: Temporary artificial paresis of the external eye muscles, 213
SCHIMEK, Robert A., and CUSICK, Paul L.: Evaluation of a modified Blaskovics operation (Iliff technique) for blepharoptosis, 819
SCHMIDT, F. H.: See HAM, William T., Jr.
SCHNEIDER, J.: See KORNZWEIG, A. L.
SEARS, Marvin L.: Ocular leprosy, 359
SESTERFIT, L. B.: See GERMUTH, F. G.
SHAFFER, M. C.: See HAM, William T., Jr.
SHEPPARD, L. Benjamin: Retrociliary cyclotherapy versus retrociliary cycloelectrolysis: Effects on the normal rabbit eye, 77
SIMONSON, Ernst: Adaptation to glare, 353
SINGH, Satnam, and GROVER, A. D.: Lid abscess (ghangan): As a cause of cicatricial ectropion and lagophthalmos, 77
SLOAN, Louis L.: The photopic retinal receptors of the typical achromat, *81
SMELSER, George K.: See PAPPAS, George D.
SMITH, J. Lawton: Raeder's paratrigeminal syndrome, 194
SPAETH, Edmund B.: The correction through plastic surgery: Of defects resulting from ophthalmic malignancies, 635
SPAULDING, William L.: Glioma of the optic nerve and its management, 654
SPURGEON, W. M., BOLES-CARENINI, B., and CAMBIAGGI, A.: Are aqueous humor dynamics influenced by aging? II, 845
SQUIRE, Catherine, and McEWEN, W. K.: The effect of iron compounds on rabbit vitreous, 356
STEPHENS, George: See JACOBSON, Jerry Hart
STOCKER, F. W., EIRING, A., GEORGIADIS, R., and GEORGIADIS, N.: A tissue culture technique for growing corneal epithelial, stromal, and endothelial tissues separately, *294
STROMBERG, Ann E.: See TROTTER, Robert R.
SUGAR, H. Saul: Pupil block in aphakic eyes, 631
SUGAR, H. Saul, and ZEKMAN, Theodore: Late infection of filtering conjunctival scars, 155
SVAETICHIN, Gunnar: See MacNICHOL, Edward J.

The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **July** issue (pages *1 through *143) OR Part II of the **November** issue (pages *145 through *334). The dagger (†) preceding the page number indicates that the paper was published in Part II of the **September** issue (pages †1 through †182).

T

- TABOR, George L., Jr.: See DEUERMAN, Virgil A.
 TAMLER, Edward, JAMPOLSKY, Arthur, and MARG, Elwin: An electromyographic study of asymmetric convergence, 174
 TARKKANEN, Ahti, H. A., and BECKER, Bernard: Aqueous humor dynamics: The effect of pentolinium (Ansolyse) on normal human eyes, 499
 TAYLOR, Daniel M.: Emergency penetrating keratoplasty: In the treatment of perforated corneal ulcers, 67
 TENG, C. C.: See CHI, H. H.
 THOMPSON, Hardy E.: See BECKER, Bernard
 THORNFELDT, Paul R., and REEH, Merrill J.: Congenital retinal detachment, 742
 TILLET, Charles W.: Visual aids in office practice, 185
 TOWNES, C. Dwight, and MANN, Shelton H.: Intravenous sedation in cataract surgery, 179
 TROTTER, Robert R., and STROMBERG, Ann E.: An improvement on the after-image test, 71
 TURNBULL, Don C.: Optic neuritis: Associated with Bornholm disease, 81
 TURTZ, Arnold I.: See TURTZ, Charles A.
 TURTZ, Charles A., and TURTZ, Arnold I.: Reversal of lens changes in early diabetes, 219; Ptechieal hemorrhages: Following treatment of scleritis with cortisone, 391

U

- UNGER, H. -H.: See ROHEN, J.
 URIST, Martin J.: The etiology of the so-called A and V syndromes, 835
 URRUTS-ZAVALLA, A., REMONDA, C., and RAMACCIOTTI, N.: Peculiar type of corneal ulcer: Associated with Candida mycoderma, 170

V

- VAIL, Derrick: Angiomas of retinae, eleven years after diathermy coagulation, 525
 VAN ARNAM, C. E.: See GERMUTH, F. G.
 VICENCIO, A. B., and PUGOV, Ruben: Electric-arc welding amblyopia: Report of a case, 885

VOLK, David: Conoid refracting surfaces and conoid lenses, *26

W

- WACHTL, Carl, and KINSEY, V. Everett: Studies on the crystalline lens: VIII. A synthetic medium for lens culture and the effects of various constituents on cell division in the epithelium, *203
 WADSWORTH, Joseph A. C.: See REESE, Algernon B.
 WAGNER, Henry G., and WOLBARSH, Myron L.: Studies on the functional organization of the vertebrate retina, 146
 WAITZMAN, Morton B., and BALLINTINE, Elmer J.: Adenylic acid deaminase activity of ciliary processes, *96
 WEISSMAN, Arthur: See LEVATIN, Paul
 WESTSMITH, Richard A.: Uses of a monocular contact lens, 78; Patient's acceptance of corneal microlenses: A study based on a questionnaire survey, 809
 WEYMOUTH, Frank W.: Visual sensory units and the minimal angle of resolution, *102
 WHALMAN, Harold F.: Reopening technique for cicatrized trephination, 890
 WIESEL, Torsten N.: See BROWN, Kenneth T.
 WIESINGER, H.: See GUERRY DuPont, III. See also HAM, William T., Jr.
 WILLIAMS, Frederick D.: Supplemental intravenous analgesia: For cataract surgery, 594
 WILLIAMS, R. C.: See HAM, William T., Jr.
 WINTER, Frank Counsel, REINHARDT, Paul R., and MADDEN, James: Ocular effects of high intensity gamma radiation in the cat, *114
 WOLBARSH, Myron L.: See WAGNER, Henry G.
 WOLTER, J. Reimer, and JAMES, Burton R.: Adult type of medullo-epithelioma of the ciliary body, 19
 WOLTER, J. Reimer, and LIDDICOAT, Douglas A.: Secondary glaucoma following occlusion of the central artery of the retina, 182
 WOODS, Alan C.: Algernon Beverly Reese: An appreciation, *148
 WORST, J. G. F.: Episcleral needles: For foreign body localization, 76

Z

ZEKMAN, Theodore: See SUGAR, H. Saul

COLOR ILLUSTRATIONS

VOLUME 46

JULY-DECEMBER, 1958

* * *

PREDNISOLONE-21 PHOSPHATE-NEOMYCIN SULFATE SOLUTION IN OPHTHALMOLOGY. Dan M. Gordon ..	facing pages 738 and 739
CICATRICAL OCULAR PEMPHIGUS. Affonso Bianco ..	facing page 882